

Materials List for

In Vitro Multiparametric Cellular Analysis by Micro Organic Charge-modulated Field-effect Transistor Arrays

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jove.com/video/62907

Materials

Name	Company	Catalog Number	Comments
3-(Trimethoxysilyl)propyl methacrylate	Sigma Aldrich	440159	
3D printer Makerbot Replicator 2x	Makerbot		https://www.makerbot.gr/ . Estimated price: 2k-3k euros.
ABS filament			
Anisole	Sigma Aldrich	296295	
Bromograph model Hellas	Bungard		https://www.bungard.de/ . Estimated price: 1k-2k euros.
Gold	Local seller		
Hydrofluoric acid	Sigma Aldrich	695068	
Iodine	Sigma Aldrich	207772	
Kapton tape			polyimide insulation tape
Laser cutter VLS2.30	Universal Laser Systems		https://www.ulsinc.com/it . Estimated price: 20k euros.
Multichannel Systems acquisition board			www.multichannelsystems.com
NaOH pellets	Sigma Aldrich	567530	
Parylene C dimer	SCS special coating systems coating		
PDMS Silgard 184	Sigma Aldrich	761036	
PDS 2010 LABCOATER 2 Parylene Deposition System	SCS special coating systems		https://scscoatings.com/ . Estimated price: 50k euros
PET film biaxially oriented (thickness 0.25 mm)	Goodfellow	ES301450	
Petri dishes			
Plasma cleaner Gambetti "Tucano"	Gambetti		https://www.gambetti.it/ . Estimated price: 20k euros.
Positive photoresist AZ1518	MicroChemicals		
Potassium iodide KI	Sigma Aldrich	221945	
Source Meter 2636	Keithley		https://it.farnell.com/ . Estimated price: 18k euros

Spin coater unit	Ossila		https://www.ossila.com/ . Estimated price: 2.5k euros.
Stereoscopic microscope SMZ745T	Nikon		https://www.microscope.healthcare.nikon.com/ . Estimated price: 2k-3k euros.
Thermal evaporator unit			
TIPS pentacene (6,13-Bis(triisopropylsilylethynyl)-pentacene)	Sigma Aldrich	716006	
Titanium wire	Goodfellow	TI005129	
Ultrasonic bath	Falc Instruments		https://www.falcinstruments.it/ . Estimated price: 1k euro.